

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

MAR 2 0 2013

REPLY TO THE ATTENTION OF: WC--15J

<u>CERTIFIED MAIL</u> 7009 1680 0000 7678 5174 <u>RETURN RECEIPT REQUESTED</u>

Peter Baranyai, Utility Director East Chicago Sanitary District 5201 Indianapolis Boulevard East Chicago, Indiana 46312

Subject: Wet Weather/Sanitary Sewer System Information Request

Issued Pursuant to Section 308(a) of the Clean Water Act, 33 U.S.C. § 1318(a)

Docket No. V-W-13-308-06

Dear Mr. Baranyai:

Protecting water quality is a high priority of the U.S. Environmental Protection Agency. Pollutants such as bacteria discharged to waterways from sewer overflows contribute to poor water quality and impairment of uses of those waterways. As authorized by the Clean Water Act (CWA), the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States.

The Indiana Department of Environmental Management (IDEM) issued NPDES permit number IN0022829 to the East Chicago Sanitary District. The permit authorizes discharges to waters of the United States in accordance with effluent limitations, monitoring requirements and other conditions set forth in the permit. The enclosed Information Request seeks information related to the operation and maintenance of the portion of the District's sanitary sewer collection system that collects and conveys sewage to the East Chicago Sanitary District Sewage Treatment Plant including information about sewer overflows that may have left the collection system prior to receiving required treatment.

EPA is authorized under Section 308(a) of the CWA, 33 U.S.C. § 1318(a) to require reports and other information necessary to carry out the purpose of the CWA. Accordingly, pursuant to Section 308(a) of the CWA, you are directed to provide EPA with the information requested in the enclosure.

In accordance with Section V, Paragraph 2 of the Information Request, you must include with your response a statement certifying that all information you submit is true and accurate to the

best of your knowledge and belief using the certification language provided in that paragraph. Any questions that do not directly relate to your municipality's sanitary sewer system operations can be addressed with "not applicable" and a brief explanation.

Please exercise care to assure that responses are complete and accurate because Section 309(c)(2) of the CWA, 33 U.S.C. § 1319(c)(2), imposes criminal penalties where false information is knowingly provided to EPA.

You must submit a written response with the information requested in the enclosure within 30 days of receipt of this request to:

Water Enforcement and Compliance Assurance Branch (WC-15J) U.S. Environmental Protection Agency, Region 5 77 West Jackson Boulevard Chicago, Illinois 60604-3590 Attention: Keith Middleton, Environmental Engineer

Thank you for your cooperation in this matter. Should you have any questions, please contact Keith Middleton of my staff by telephone at (312) 886-6465 or by e-mail at middleton.keith@epa.gov.

Sincerely,

Finka G. Hyde

Director, Water Division

Enclosure

cc: Mark Stanifer, Indiana Department of Environmental Management

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 5

IN THE MATTER OF:) Docket No. V-W-13-308-06
East Chicago Sanitary District)
East Chicago, Indiana) Proceeding under Section 308(a) of) the Clean Water Act, as amended,) 33 U.S.C. § 1318(a)
NPDES Permit No. IN0022829) 33 8.3.8. § 1310(a)

INFORMATION REQUEST

I. STATUTORY AUTHORITY

The U.S. Environmental Protection Agency is issuing this Information Request to the East Chicago Sanitary District (You) pursuant to the authority given to the Administrator of EPA by Section 308(a) of the Clean Water Act (CWA), 33 U.S.C. § 1318(a). The Administrator has delegated this authority to the Regional Administrator of EPA, Region 5, who has re-delegated this authority to the Director of the Water Division, EPA Region 5.

II. INSTRUCTIONS

- 1. You must respond to this Information Request within 30 calendar days of your receipt of this request. Submission instructions are in Section V of this Information Request.
- 2. You must respond separately to each of the requests. Where a "yes" or "no" answer is requested, You may provide additional information, if desired. Precede each answer with the number of the request to which it corresponds. For each document produced in response to this Information Request, indicate on the document, or in some other reasonable manner, the number of the request to which it corresponds.
- 3. If You do not have documents responsive to a particular request, state in your written response that You do not have responsive documents.
- 4. You must keep the reports and all records reviewed or generated in the course of responding to this Information Request until EPA informs You in writing that You are no longer required to keep the reports and records, or for three years, whichever is sooner.

III. DEFINITIONS

- 1. "Backup" or "Building/Property Backup" shall mean any release of wastewater to public or private property that is caused by Blockages or other conditions in the Sanitary Sewer System. Such releases can include, but are not limited to, those that occur in basements.
- 2. "Blockage" shall mean the partial or complete interruption of flow as a result of some obstruction in any portion of the Sanitary Sewer System.
- 3. "Bypass," as defined by 40 C.F.R. § 122.41(m), shall mean the intentional diversion of waste streams from any portion of a treatment facility.
- 4. "Collection System" shall mean all portions of your sewer system that collect and convey sanitary and/or combined sewage for treatment to the East Chicago Sanitary District Waste Water Treatment Facility (WWTF). The Collection System, for purposes of this Information Request, does not refer to a separate storm sewer system.
- 5. "Combined Sewer System(s)" shall mean all portions of your sewer system designed to convey municipal sewage (domestic, commercial, and industrial wastewater) and stormwater through a single-pipe system to the wastewater treatment plant or to combined sewer outfalls.
- 6. "Day" or "days" shall mean a calendar day or calendar days. In computing any period of time under this Information Request, where the last day would fall on a Saturday, Sunday, or federal or state holiday, the period shall run until the close of the next business day.
- 7. "Force Main" shall mean any pipe that carries wastewater under pressure from the discharge side of a pump to a point of gravity flow downstream.
- 8. "Gravity Sewer" shall mean a pipe that receives, contains, and conveys wastewater that is not normally under pressure and is intended to flow unassisted under the influence of gravity.
- 9. "Infiltration" shall mean water, other than wastewater, that enters your Sanitary Sewer System (including sewer service connections) from the ground through such means as defective pipes, pipe joints, connections, or manholes.
- 10. "Inflow" shall mean water, other than wastewater, that enters your Sanitary Sewer System from sources such as, but not limited to, roof leaders, cellar drains, yard drains, area drains, foundation drains, drains from springs and swampy areas, manhole covers, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, stormwater, surface runoff, street wash waters, or drainage.
- 11. "I/I" shall mean the total quantity of water from Infiltration and Inflow without distinguishing the source.

- 12. "Private Lateral" shall mean that portion of the Sanitary Sewer System(s), not owned by You, used to convey wastewater from a building or buildings to that portion of the Sanitary Sewer System(s) owned by You.
- 13. "Pump Station" shall mean facilities comprised of pumps or other equipment that lift wastewater to a higher hydraulic elevation, including all related electrical, mechanical, and structural systems necessary to the operation of that pumping station.
- 14. "Record" or "records" shall mean any recording of information in tangible form. It includes, but is not limited to, documents, memoranda, reports, letters, maps, graphs, charts, log books, notes, emails, computer files, computer printouts, and computer databases.
- 15. "Sanitary Sewer Overflow" or "SSO" shall mean an overflow, spill, diversion, or release of wastewater from or caused by your Sanitary Sewer System(s). This term shall include:
 (i) discharges to waters of the United States from the Sanitary Sewer System(s); and (ii) any release of wastewater from the Sanitary Sewer System(s) to public or private property that does not reach waters of the United States, including Backups.
- 16. "Sanitary Sewer System(s)" shall mean all portions of your sewer system (including all pipes, Force Mains, Gravity Sewer segments, overflow structures, regulators, Pump Stations, manholes, and components thereof), designed and constructed to collect and convey only sewage, and not stormwater, from residences, commercial buildings, industrial plants, and institutions for treatment at East Chicago Sanitary District WWTF.
- 17. "Satellite Sewer System" shall mean a sewer Collection System that collects wastewaters from a legal entity other than You and delivers these wastewaters to your receiving sewer(s) or interceptor(s). Legal entities can include unincorporated areas. The Satellite Sewer System often, but not always, depends on a downstream authority for the treatment of these transferred wastewaters.
- 18. "Wastewater Treatment Plant(s)" or "WWTP(s)" shall mean the wastewater treatment plant(s) operated by You, East Chicago Sanitary District WWTF, National Pollutant Discharge Elimination System (NPDES) Permit Number IN0022829 and located at 5201 Indianapolis Boulevard, East Chicago, Indiana and all components of such sewage treatment plant(s).
- 19. "You" for purposes of this Information Request refers to the East Chicago Sanitary District and to any agents, employees, contractors, or other people or entities that performed work or acted in any way on behalf of, or at the direction of, East Chicago Sanitary District.

IV. REQUESTS

General Information

- 1. Provide the name and address of the location(s) where You maintain records relative to the operation and maintenance (O&M) of your Sanitary Sewer System(s).
- 2. Provide the name and title of the primary contact person(s) responsible for Sanitary Sewer System operation and maintenance. Also provide telephone, fax, and email contact information for such person(s).
- 3. Provide the latest NPDES permit (IN0022829) issued to You for the WWTP/Sanitary Sewer System(s), including modifications and the associated permit application.

Collection System/Service Area

a. Service area (in square rb. Population servedc. System inventory	miles)		
Miles of Gravity Sewer	Miles of Force Main	Number of Pump Stations	
d. Number of service conn	ections:		
Residential	Commercial		

per day (MGD). Cite the source or calculation method from which You obtained these

values (e.g., flow meters, billing statements, etc.).

	Average Daily Wastewater Flow (MGD)	Source (or calculation method) of Average Daily Wastewater Flow Values	Average Daily Water Consumption (MGD)	Source (or calculation method) of Average Daily Water Consumption Values
Residential				
Commercial				
Industrial				
Other				
Total		-		

f.		n wastewater flo	ow experi	enced in a 24 hour period	for the previous 12 months
g		llection System _ No	a Combii	ned Sewer System?	
	If yes, wh	nat percent of th	ne Collect	ion System is combined?	
h	. Provide i	nfrastructure ag	ge distribu	ntion estimates for the Co	llection System.
	Age	Gravity Sewe	er, miles	Force Mains, miles or feet	Number of Pump Stations
0 - 25	years		,	- The state of the	
26 - 5	0 years				
51 - 7	5 years				
> 76 y	years				
i.	. Provide p	oipe size distrib	ution estii	mates for the Collection S	System.
					Force Mains, miles or feet
	hes or less				***************************************
	3 inches 36 inches				
J	inches				
5. I	ndicate or de		rty owner	's responsibility for main	tenance and repair of Private
Ţ	Laterals (che	ck one):			
c	o. From ma	line connection in line to prope property line/clo	rty line or	easement/cleanout	
	Explain _				
	6. Describe any atypical local conditions that may increase the complexity or difficulty of the design, construction, operation, and maintenance of the Collection System.				
	•	ther You do the n(s) is adequate		_	acity of the existing Sanitary
а	a. Is flow metering performed prior to allowing new connections? Yes No				

	b. Do You use a hydraulic mode new connections? YesNo	del of the Sanitary	y Sewer System(s) to predict the effects of
	*	s) has been detern	nsed professional engineer indicating that nined to have adequate capacity to
3.	Are there portions of the Collec flooding, with sewage as a compyes No	•	ce areas that have experienced street t five years?
lat	If yes, describe and list all areas ellite Sewer Systems/Sewer Use	•	- -
).	Yes No		I room is needed, continue on last page or
	Satellite Community Name	% Flow Contributed	Primary Contact Name and Contact Information (address, phone, email) for Satellite
			,
	LP3057001944-34-1		
	Do Satellite Sewer System communications services (contracts, charters, courses No If yes, please answer the follows:	urt orders, etc.) w	

a.	Do the agreements extend the requirements of the sewer use ord Satellite Sewer System communities? Yes No	linance (SUC	O) to the
b.	Do You maintain the legal authority to control the maximum flo Collection System from Satellite Sewer System communities? Yes No	ow introduce	d into the
c.	Is flow metered at locations where flow from the Satellite Sewe directly enters your Sanitary Sewer System(s)? Yes No	r System coi	mmunities
d.	Do You have the authority to surcharge Satellite Sewer System excessive flows (i.e., for excessive I/I)? Yes No	communitie	s for
e.	Have You exercised your authority to surcharge Satellite Sewer excessive flows (i.e., for excessive I/I)? Yes No	System con	nmunities for
	If yes, identify the Satellite Sewer System communities for whi when You took the action, and describe the action You took.	ch You took	this action,
11. In	dicate whether the SUO contains procedures for the following:		
a.	Inspection standards	Yes	No
	Pretreatment requirements	Yes	
	Building/sewer permit issues	Yes	No
	Inflow prohibition	Yes	No
	dicate whether the SUO contains procedures and enforcement au llowing:	thority to con	ntrol the
а.	Fats, oils, and grease	Yes	No
	I/I	Yes	
c.	Building structures over the sewer lines		No
d.			No
	Defects in Private Laterals		No
f.	Sump pump or air conditioner discharge		No
<u>Force</u>	<u>Mains</u>		
13. Id	entify the total number of Force Main failures that have occurred	in the last fi	ve years.

Pump	Stations
15. Pı	ovide the following information related to Pump Stations in your Collection System:
a.	Total number of Pump Stations in the Collection System
b.	Number of Pump Stations with on-site pump capacity redundancy
c.	Number of Pump Stations with dry weather capacity limitations
d.	Number of Pump Stations with wet weather capacity limitations
e.	Number of Pump Station failures resulting in SSOs, or Backups, in the last five years
f.	Number of Pump Stations fed with electrical power from at least two independent electrical power grid feeds
g.	Number of Pump Stations with permanently installed backup power generators onsite that automatically activate when supplied power is interrupted
h.	Number of Pump Stations with backup power capability, but only with portable generators to be brought to the Pump Station site from other locations
i.	Number of Pump Stations with "pump around" capability (i.e., where Pump Station wet well can be evacuated and pumped with portable pump to nearby downstream Sanitary Sewer System manhole)
j.	Number of Pump Stations where conditions are monitored remotely and that trigger an alarm at a central monitoring location (e.g., at the WWTP or central public works center)
Waste	ewater Treatment Plant
16. Pr	ovide the following design flow ratings for the WWTP in MGD.
a. b.	Design Average Daily Flow Design Peak Wet Weather Flow
	ovide the following <u>peak actual</u> flows experienced at the WWTP in the last five years in GD.
a. b.	Peak Daily Flow Peak Hourly Flow

14. Provide a description of the cause(s) of each Force Main failure that has occurred in the last

five years.

	c.	Peak Instantaneous Flow	
18.		escribe any processes or operations that can limit the treatment capacity or effic WTP (e.g., pump capacity, flow restrictions, tank size, etc.).	iency at the
19.	Pro	ovide the following data for each year for the last five years:	
	b.	Dates and volumes of flows from the Collection System that did not receive for secondary treatment	ıll
20.	cor	or each event identified in response to Question 19b, indicate whether the discharding indicate whether the discharding is authorized under your NPDES permit. If the discharge condition is pecify the permit provision authorizing such discharge.	_
Sar	iitai	ary Sewer Overflows	
21.	Inc	escribe each SSO that has occurred in the Collection System within the last five clude the following information for each SSO (create a supplemental table as not the data below):	
	c. d. e. f. g. h. i. j.	Location of the SSO Estimated volume of the SSO (in gallons or million gallons (MG)) Cause of the SSO How You determined that the SSO occurred Depth of precipitation (in inches) received (if any) contributing to the SSO Peak WWTP flow (in MGD) on the day that the SSO occurred	ewer, paved
22.		entify the number of SSOs that originated from each of the following sources inve years:	n the last
	a. b. c. d. e. f. g.	Pump Stations Main and trunk sewers Lateral and branch sewers Structural Bypasses or relief points Force Mains	

23		entify the volume of SSOs expressed in gallons or MG from each of the last five years:	the follo	wing sources
	b. c.	Pump Stations Force Mains Manholes Other, explain:		
24	Ide	entify the number of SSOs caused by the following in the last five ye	ears:	
	b.c.d.e.f.g.	Debris buildup Collapsed pipe Root intrusion Capacity limitations Excessive I/I Fats, oil, and grease Vandalism Power interruption and/or lack of backup power source Mechanical or electronic failure Pump failure and/or lack of backup (or duplex) pumps Other, explain:		
25.		r the SSOs to waterways that are identified in response to Question afface waters that could affect:	21, how n	nany were to
	a. b. c.	Primary contact recreation (swimming, bathing, waterskiing, etc.) Shellfish growing areas Drinking water sources	- - -	
26.	Wl	nat equipment is available to You for responding to SSOs?		
27.	De	scribe how You monitor SSO occurrence and frequency.		
28.		entify whether You have developed and adopted written procedures alowing:	or instruc	tions for the
	a. b. c. d. e.	Identifying SSOs Emergency response for SSOs Reporting all SSOs to the state regardless of size Containment or cleanup to mitigate the effect of SSOs Problem evaluation and resolution	Yes Yes Yes Yes	No No No No
29.	De	scribe your procedure for reporting SSOs to the state environmental	agency.	

<u>Backups</u>
30. Describe how You document the occurrence of, and response to, Backups.
31. Indicate the month and year when You began to document Backups:
32. Provide the following information related to Backups:
 a. Number of Backups that have occurred in each year for the last five years: b. Number of Backups that occurred in each year for the last five years that was determined to be the responsibility of the East Chicago Sanitary District: 2008 2009 2010 2011 2012
33. Are there portions of the Collection System that have chronic problems with Backups? Yes No
If yes, list and describe each area and the reasons for chronic Backups in that area.
Blockages
34. Describe how your document the occurrence of, and response to, Blockages.
35. Provide the following information related to Blockages that have occurred in your Collection System in each year for the last five years:
 a. Number of Blockages for each year b. Average time to clear a Blockage (minutes) c. Number of Blockages resulting in SSOs and/or Backups for each year d. Total volume of SSOs (gallons or MG) that resulted from Blockages for each year
Infiltration and Inflow
36. Provide the following information for I/I in the Sanitary Sewer System(s):
a. Have You done an assessment to determine the extent of I/I? Yes No If yes, when?(mo/yr)
b. Has it been demonstrated that it is more cost effective to eliminate rather than treat I/I? Yes No
c. Have You performed a sewer system evaluation study (SSES), as defined in the U.S. EPA Handbook for Sewer System Evaluation and Rehabilitation (December 1975)?

		Yes No		if yes, when?	(n	10/yr)		
	d.	Have rehabilitation pro	ojects been pri	oritized for corn	recting I/I pro	oblems?		
		If yes, how far has the	I/I elimination	program progr	essed?			
	e.	Do You or any of your reduction program? Yes No		-		e a private	source I/I	
		If yes, describe the pro	gram.					
<u>Op</u>	<u>erat</u>	tion and Maintenance						
	pro Op (Ja Ye De elin	ove You developed a cappogram, as defined in the peration, and Maintenand muary 2005)? Es No Escribe the operation and minate problems in your ackups. These procedure	U.S. EPA Guice (CMOM) Portage maintenance Collection Sy	de for Evaluation of the formula of	ng Capacity, tary Sewer (ures You have d cause or co	Managem Collection (mo/yr) we in place ontribute to	ent, Systems to locate and SSOs and	
		wer cleaning, I/I evaluati						,
39.		licate whether You have lowing:	developed an	d adopted writt	en procedure	es or instru	ctions for the	Э
		Collection system mair		ant		Yes	No	_
40.	Do des	Collection system capa bes the Sanitary Sewer Sysign problems?	,		D&M proble			
		yes, provide a brief expla	anation.					
41.	cor	ses the Sanitary Sewer Synstruction issues in the syns		rience chronic (O&M proble	ms that are	the result of	f
	If y	yes, provide a brief expla	anation.					
42.	Do	You physically inspect	all sanitary sy	stem manholes	on a defined	l frequency	7?	

	Yes No
	If yes, on what frequency: every months (e.g., every 36 months)
43.	List the frequency of cleaning sewers and manhole basins for the following:
	a. Largest sewers: everymonths (e.g., every 36 months)b. Smaller sewers: everymonths
44.	Do You conduct internal smoke testing to evaluate the condition of the Collection System? Yes No
	If yes, on what frequency? Every months (e.g., every 36 months)
45.	Is there a formalized Sanitary Sewer Overflow Emergency Response Plan or a similar plan to responded to SSOs, in accordance with pages 2-22 and 2-23 of U.S. EPA's Guide for Evaluating CMOM Programs at Sanitary Sewer Collection Systems, EPA 305-B-05-002 (January 2005)? Yes No
46.	Do You televise the sewers to evaluate the condition of the Collection System? Yes No
47.	Do You operate an industrial pretreatment program approved by EPA or the State? Yes No
Wa	astewater User and Customer Complaints
48.	Describe how You receive, document, and respond to citizen complaints regarding the Sanitary Sewer System.
49.	Provide the following information related to Sanitary Sewer System user complaints:
	 a. Number of user complaints received each year for the last five years b. Number of user complaints received each year for the last five years that were your responsibility c. Number of claims received and damages paid each year for the last five years
50.	Provide the number of public health or other warnings You issued that were attributed to wastewater each year for the last five years and the dates of each such warning.

V. SUBMITTALS

1. Please submit your response to this Information Request within 30 days of your receipt of the Information Request to:

Water Enforcement and Compliance Assurance Branch (WC-15J) U.S. Environmental Protection Agency, Region 5 77 West Jackson Boulevard Chicago, Illinois 60604-3590 Attention: Keith Middleton, Environmental Engineer

2. You must submit all requested information under an authorized signature with the following certification:

I certify under penalty of law that this response and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manage the system, or those person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

- 3. If You find at any time after submitting information to EPA that any portion of the submittal is false or incorrect, You must notify EPA immediately. Knowing submittal of false information to EPA in response to this Information Request may subject You to criminal prosecution under Section 309(c) of the CWA, 33 U.S.C. § 1319(c), and 18 U.S.C. §§ 1001 and 1341.
- 4. You may not withhold information because You claim it is confidential. However, pursuant to 40 C.F.R. Part 2, Subpart B, You may assert a claim of business confidentiality regarding any portion of the information submitted in response to this Information Request, as provided in 40 C.F.R. § 2.302(a)(2). The regulations provide that a person may assert a business confidentiality claim covering part or all of the information furnished to EPA when that person submits the information. The manner of asserting such claims is specified in 40 C.F.R. § 2.203(b). Effluent data (as defined in 40 C.F.R. § 2.302(A)(2)) and information in NPDES permit applications is not entitled to confidential treatment. 40 C.F.R. § 122.7. Information subject to a business confidentiality claim is available to the public only to the extent, and by means of the procedures, set forth in 40 C.F.R. Part 2, Subpart B. If You do not assert a claim of business confidentiality when You submit the information, EPA may make the information available to the public without further notice.
- 5. This Information Request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

- 6. EPA may use the information submitted in response to this Information Request in an administrative, civil or criminal action.
- 7. Neither the issuance of this Information Request by EPA nor your compliance with this Information Request relieves You of liability for any penalty, fine, remedy or sanction authorized to be imposed pursuant to Section 309(b), (c), (d), or (g) of the CWA, 33 U.S.C. § 1319(b), (c), (d), or (g), including but not limited to those related to any violations addressed by this Information Request. EPA specifically reserves the right to seek any of the remedies specified in Section 309(b), (c), (d), or (g) of the CWA, 33 U.S.C. § 1319(b), (c), (d), or (g).
- 8. There can be significant civil or criminal penalties for failing to adequately respond to requests for information issued under the Section 308(a) of the CWA, 33 U.S.C. § 1318(a).
- 9. Please contact Keith Middleton of my staff by telephone at (312) 886-6465, or via email at middleton.keith@epa.gov, if You have any questions about this Information Request.

Tinka G. Hyde

Director, Water Division

U.S. Environmental Protection Agency, Region 5